

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/757,67304CO  
OIPED-0  
03-09-01  
DATE: 03/14/2001  
TIME: 04:18:43 #2

INPUT SET: S36507.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

ENTERED

## (1) General Information:

- (i) APPLICANT: Wilson, James M.  
Fisher, Krishna J.
- (ii) TITLE OF INVENTION: Method for Recombinant Adeno-Associated  
Virus-Directed Gene Therapy
- (iii) NUMBER OF SEQUENCES: 4
- (iv) CORRESPONDENCE ADDRESS:  
(A) ADDRESSEE: Howson and Howson  
(B) STREET: Spring House Corporate Cntr, PO Box 457  
(C) CITY: Spring House  
(D) STATE: Pennsylvania  
(E) COUNTRY: USA  
(F) ZIP: 19477
- (v) COMPUTER READABLE FORM:  
(A) MEDIUM TYPE: Floppy disk  
(B) COMPUTER: IBM PC compatible  
(C) OPERATING SYSTEM: PC-DOS/MS-DOS  
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:  
(A) APPLICATION NUMBER: 09/757,673  
(B) FILING DATE:  
(C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:  
(A) APPLICATION NUMBER: 09/242,977  
(B) FILING DATE:
- (vii) PRIOR APPLICATION DATA:  
(A) APPLICATION NUMBER: US 08/729,061  
(B) FILING DATE: 10-OCT-1996
- (viii) ATTORNEY/AGENT INFORMATION:  
(A) NAME: Kodroff, Cathy A.  
(B) REGISTRATION NUMBER: 33,980  
(C) REFERENCE/DOCKET NUMBER: GNVPN.019CIP2USA
- (ix) TELECOMMUNICATION INFORMATION:  
(A) TELEPHONE: 215-540-9200

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(B) TELEFAX: 215-540-5818

## (2) INFORMATION FOR SEQ ID NO:1:

## (i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 10398 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: double
- (D) TOPOLOGY: unknown

## (ii) MOLECULE TYPE: cDNA

## (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

GAATTCGCTA GCATCATCAA TAATATACCT TATTTTGGAT TGAAGCCAAT ATGATAATGA	60
GGGGGTGGAG TTTGTGACGT GGCGCGGGGC GTGGGAACGG GGCGGGTGAC GTAGTAGTGT	120
GGCGGAAGTG TGATGTTGCA AGTGTGGCGG AACACATGTA AGCGACGGAT GTGGCAAAAG	180
TGACGTTTTT GGTGTGCGCC GGTGTACACA GGAAGTGACA ATTTTCGCGC GGTTTTAGGC	240
GGATGTTGTA GTAAATTTGG GCGTAACCGA GTAAGATTTG GCCATTTTCG CGGGAAACT	300
GAATAAGAGG AAGTGAAATC TGAATAATTT TGTGTTACTC ATAGCGCGTA ATATTTGTCT	360
AGGGAGATCT GCTGCGCGCT CGCTCGCTCA CTGAGGCCGC CCGGGCAAAG CCCGGGCGTC	420
GGGCGACCTT TGGTCGCCCC GCCTCAGTGA GCGAGCGAGC GCGCAGAGAG GGAGTGGCCA	480
ACTCCATCAC TAGGGGTTCC TTGTAGTTAA TGATTAACCC GCCATGCTAC TTATCTACAA	540
TTCGAGCTTG CATGCCTGCA GGTCGTTACA TAACTTACGG TAAATGGCCC GCCTGGCTGA	600
CCGCCCAACG ACCCCCGCCC ATTGACGTCA ATAATGACGT ATGTTCCCAT AGTAACGCCA	660
ATAGGGACTT TCCATTGACG TCAATGGGTG GAGTATTTAC GGTAAACTGC CCACTTGGCA	720
GTACATCAAG TGTATCATAT GCCAAGTACG CCCCTATTG ACGTCAATGA CGGTAAATGG	780
CCCGCCTGGC ATTATGCCCA GTACATGACC TTATGGGACT TTCCTACTTG GCAGTACATC	840
TACGTATTAG TCATCGCTAT TACCATGGTG ATGCGGTTTT GGCAGTACAT CAATGGGCGT	900
GGATAGCGGT TTGACTCACG GGGATTTCCA AGTCTCCACC CCATTGACGT CAATGGGAGT	960
TTGTTTTGGC ACCAAAATCA ACGGGACTTT CCAAATGTC GTAACAACTC CGCCCCATTG	1020
ACGCAAATGG GCGGTAGGCG TGTACGGTGG GAGGTCTATA TAAGCAGAGC TCGTTTAGTG	1080

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION US/09/757,673**

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101	AACCGTCAGA	TCGCTGGAG	ACGCCATCCA	CGCTGTTTGT	ACCTCCATAG	AAGACACCGG	1140
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103	GACCGATCCA	GCCTCCGGAC	TCTAGAGGAT	CCGGTACTCG	AGGAACTGAA	AAACCAGAAA	1200
104							
105	GTAACTGGT	AAGTTTAGTC	TTTTTGCTT	TTATTTCAGG	TCCCGGATCC	GGTGGTGGTG	1260
106							
107	CAAATCAAAG	AACTGCTCCT	CAGTGGATGT	TGCCTTTACT	TCTAGGCCTG	TACGGAAGTG	1320
108							
109	TTACTTCTGC	TCTAAAAGCT	GCGGAATTGT	ACCCGCGGCC	GCAATTCCCG	GGGATCGAAA	1380
110							
111	GAGCCTGCTA	AAGCAAAAAA	GAAGTCACCA	TGTCGTTTAC	TTTGACCAAC	AAGAACGTGA	1440
112							
113	TTTTCGTTGC	CGGTCTGGGA	GGCATTGGTC	TGGACACCAG	CAAGGAGCTG	CTCAAGCGCG	1500
114							
115	ATCCCGTCGT	TTTACAACGT	CGTGA CTGGG	AAAACCCTGG	CGTTACCCAA	CTTAATCGCC	1560
116							
117	TTGCAGCACA	TCCCCCTTTC	GCCAGCTGGC	GTAATAGCGA	AGAGGCCCGC	ACCGATCGCC	1620
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119	CTTCCCAACA	GTTGCGCAGC	CTGAATGGCG	AATGGCGCTT	TGCCTGGTTT	CCGGCACCAG	1680
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121	AAGCGGTGCC	GGAAAGCTGG	CTGGAGTGCG	ATCTTCCTGA	GGCCGATACT	GTCGTCTGTC	1740
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123	CCTCAAACCTG	GCAGATGCAC	GGTTACGATG	CGCCCATCTA	CACCAACGTA	ACCTATCCCA	1800
124							
125	TTACGGTCAA	TCCGCCGTTT	GTTCCACCGG	AGAATCCGAC	GGGTTGTTAC	TCGCTCACAT	1860
126							
127	TTAATGTTGA	TGAAAGCTGG	CTACAGGAAG	GCCAGACGCG	AATTATTTTT	GATGGCGTTA	1920
128							
129	ACTCGGCGTT	TCATCTGTGG	TGCAACGGGC	GCTGGGTCGG	TTACGGCCAG	GACAGTCGTT	1980
130							
131	TGCCGTCTGA	ATTTGACCTG	AGCGCATTTT	TACGCGCCGG	AGAAAACCGC	CTCGCGGTGA	2040
132							
133	TGGTGCTGCG	TTGGAGTGAC	GGCAGTTATC	TGGAAGATCA	GGATATGTGG	CGGATGAGCG	2100
134							
135	GCATTTTCCG	TGACGTCTCG	TTGCTGCATA	AACCGACTAC	ACAAATCAGC	GATTTCCATG	2160
136							
137	TTGCCACTCG	CTTTAATGAT	GATTTTCAGCC	GCGCTGTACT	GGAGGCTGAA	GTTTCAGATGT	2220
138							
139	GCGGCGAGTT	GCGTGACTAC	CTACGGGTAA	CAGTTTCTTT	ATGGCAGGGT	GAAACGCAGG	2280
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141	TCGCCAGCGG	CACCGCGCCT	TTCGGCGGTG	AAATTATCGA	TGAGCGTGGT	GGTTATGCCG	2340
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143	ATCGCGTCAC	ACTACGTCTG	AACGTCGAAA	ACCCGAAACT	GTGGAGCGCC	GAAATCCCGA	2400
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145	ATCTCTATCG	TGCGGTGGTT	GAAGTGCACA	CCGCCGACGG	CACGCTGATT	GAAGCAGAAG	2460
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147	CCTGCGATGT	CGGTTTCCGC	GAGGTGCGGA	TTGAAAATGG	TCTGCTGCTG	CTGAACGGCA	2520
148							
149	AGCCGTTGCT	GATTCGAGGC	GTTAACCGTC	ACGAGCATCA	TCCTCTGCAT	GGTCAGGTCA	2580
150							
151	TGGATGAGCA	GACGATGGTG	CAGGATATCC	TGCTGATGAA	GCAGAACAAC	TTTAACGCCG	2640
152							

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153	TGCGCTGTTC	GCATTATCCG	AACCATCCGC	TGTGGTACAC	GCTGTGCGAC	CGCTACGGCC	2700
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157	CCGATGATCC	GCGCTGGCTA	CCGGCGATGA	GCGAACGCGT	AACGCGAATG	GTGCAGCGCG	2820
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159	ATCGTAATCA	CCCGAGTGTG	ATCATCTGGT	CGCTGGGGAA	TGAATCAGGC	CACGGCGCTA	2880
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161	ATCACGACGC	GCTGTATCGC	TGGATCAAAT	CTGTGATCC	TTCCCGCCCG	GTGCAGTATG	2940
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163	AAGGCGGCGG	AGCCGACACC	ACGGCCACCG	ATATTATTTG	CCCGATGTAC	GCGCGCGTGG	3000
164							
165	ATGAAGACCA	GCCCTTCCCG	GCTGTGCCGA	AATGGTCCAT	CAAAAAATGG	CTTTCGCTAC	3060
166							
167	CTGGAGAGAC	GCGCCCGCTG	ATCCTTTGCG	AATACGCCCA	CGCGATGGGT	AACAGTCTTG	3120
168							
169	GCGGTTTCGC	TAAATACTGG	CAGGCGTTTC	GTCAGTATCC	CCGTTTACAG	GGCGGCTTCG	3180
170							
171	TCTGGGACTG	GGTGGATCAG	TCGCTGATTA	AATATGATGA	AAACGGCAAC	CCGTGGTCGG	3240
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173	CTTACGGCGG	TGATTTTGGC	GATACGCCGA	ACGATCGCCA	GTTCTGTATG	AACGGTCTGG	3300
174							
175	TCTTTGCCGA	CCGCACGCCG	CATCCAGCGC	TGACGGAAGC	AAAACACCAG	CAGCAGTTTT	3360
176							
177	TCCAGTTCCG	TTTATCCGGG	CAAACCATCG	AAGTGACCAG	CGAATACCTG	TTCCGTCATA	3420
178							
179	GCGATAACGA	GCTCCTGCAC	TGGATGGTGG	CGCTGGATGG	TAAGCCGCTG	GCAAGCGGTG	3480
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181	AAGTGCCTCT	GGATGTCGCT	CCACAAGGTA	AACAGTTGAT	TGAACTGCCT	GAAC TACCGC	3540
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183	AGCCGGAGAG	CGCCGGGCAA	CTCTGGCTCA	CAGTACGCGT	AGTGCAACCG	AACGCGACCG	3600
184							
185	CATGGTCAGA	AGCCGGGCAC	ATCAGCGCCT	GGCAGCAGTG	GCGTCTGGCG	GAAAACCTCA	3660
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187	GTGTGACGCT	CCCCGCCGCG	TCCCACGCCA	TCCCGCATCT	GACCACCAGC	GAAATGGATT	3720
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189	TTTGCAATCGA	GCTGGGTAAT	AAGCGTTGGC	AATTTAACCG	CCAGTCAGGC	TTTCTTTCAC	3780
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191	AGATGTGGAT	TGGCGATAAA	AAACAAC TGC	TGACGCCGCT	GCGCGATCAG	TTCAACCCGTG	3840
192							
193	CACCGCTGGA	TAACGACATT	GGCGTAAGTG	AAGCGACCCG	CATTGACCCT	AACGCCTGGG	3900
194							
195	TCGAACGCTG	GAAGGCGGCG	GGCCATTACC	AGGCCGAAGC	AGCGTTGTTG	CAGTGCACGG	3960
196							
197	CAGATACACT	TGCTGATGCG	GTGCTGATTA	CGACCGCTCA	CGCGTGGCAG	CATCAGGGGA	4020
198							
199	AAACCTTATT	TATCAGCCGG	AAAACCTACC	GGATTGATGG	TAGTGGTCAA	ATGGCGATTA	4080
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201	CCGTTGATGT	TGAAGTGGCG	AGCGATACAC	CGCATCCGGC	GCGGATTGGC	CTGAACTGCC	4140
202							
203	AGCTGGCGCA	GGTAGCAGAG	CGGGTAAACT	GGCTCGGATT	AGGGCCGCAA	GAAAAC TATC	4200
204							
205	CCGACCGCCT	TACTGCCGCC	TGTTTTGACC	GCTGGGATCT	GCCATTGTCA	GACATGTATA	4260



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**SEQUENCE VERIFICATION REPORT**  
**PATENT APPLICATION US/09/757,673**

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